

1R - 428-40

APPROVALS

YEAR(S):

2007

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Friday, July 27, 2007 11:17 AM
To: 'Carolyn Haynes'
Cc: 'scurtis@riceswd.com'; 'Kristin Pope'; Price, Wayne, EMNRD
Subject: RE: Amended Approval for the CAP at the Hobbs E-15 site (OCD case #1R428-40)

Dear Ms. Haynes:

In order to allow additional flexibility in the above referenced CAP, the NMOCD hereby amends the approval below as follows:

Amended Condition #1

The excavated portion of a site shall be covered with at least one foot of clay layer (with a saturated hydraulic conductivity at or less than $1.0\text{e-}07$ cm / sec and compacted to at least 90% standard Proctor density) or a geosynthetic clay liner (GCL) (with a saturated hydraulic conductivity of less than $5.0\text{e-}09$ cm / sec) or a 20-mil geomembrane [reinforced linear low-density polyethylene (R-LLDPE) or division-approved equivalent material]. The subgrade shall be appropriately prepared to accept to the clay (compacted); GCL or geomembrane (compacted and free of stones greater than ½ inch in any dimension, protrusions, etc.).

Also, please be advised that NMOCD approval of this plan does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

If you have questions regarding this matter, please contact me at 505-476-3489.

Edward J. Hansen
 Hydrologist
 Environmental Bureau

From: Hansen, Edward J., EMNRD
Sent: Thursday, July 26, 2007 2:12 PM
To: 'Carolyn Haynes'; Price, Wayne, EMNRD
Cc: scurtis@riceswd.com; 'Kristin Pope'
Subject: Approval for the CAP at the Hobbs E-15 site (OCD case #1R428-40)

Dear Ms. Haynes:

The NMOCD has reviewed the submitted Corrective Action Plan (CAP), dated November 28, 2006, for the above referenced site. The NMOCD hereby approves the CAP with the following conditions:

- 1) The excavated portion of the site (as specified in the CAP) shall be covered with at least one foot of clay (with a saturated hydraulic conductivity at or less than $1.0\text{e-}07$ cm / sec and compacted to 90% to 95% standard Proctor density) or a geosynthetic clay liner (GCL) (with a saturated hydraulic conductivity of less than $3.0\text{e-}09$ cm / sec). The subgrade shall be appropriately prepared to accept to the clay (compacted) or GCL (compacted and free of stones greater than ½ inch in any dimension, protrusions, etc.).
- 2) The clay or GCL shall be covered with at least four feet of compacted (75% to 85% standard Proctor density) non-contaminated soil, including the background thickness of

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topsoil or at least one foot of suitable material to establish vegetation for the site.

- 3) The soil cover shall be constructed to the existing grade of the site and to prevent ponding of water and the erosion of the cover material.
- 4) Upon completion of closure, the excavated area shall substantially re-vegetate to the condition that existed prior to oil and gas operations and maintain the cover through two successive growing seasons, but not including noxious weeds.

Also, please be advised that NMOCD approval of this plan does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

If you have questions regarding this matter, please contact me at 505-476-3489.

Edward J. Hansen
Hydrologist
Environmental Bureau

From: Carolyn Haynes [mailto:chaynes@riceswd.com]
Sent: Wednesday, July 25, 2007 5:44 PM
To: Price, Wayne, EMNRD
Cc: scurtis@riceswd.com; 'Kristin Pope'; Hansen, Edward J., EMNRD
Subject: Junction Box Upgrade Work Plan Revision

Dear Wayne,

I want to thank you for the very productive quarterly meeting! Rice is gearing up for a busy schedule.

Attached please find the JB Plan revision that we discussed at the July 18 meeting. It concerns the GCL fabric and the clay layer barrier. This document has also been sent via certified mail.

I included some tech data on the GCL fabric. Should you require additional data, please visit the website named in the information.

If there are any other questions or concerns, please don't hesitate to contact me. Thank you for your consideration in this revision.

Carolyn Doran Haynes

Engineering Manager
RICE *Operating Company*
505-393-9174
505-397-1471 (fax)

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